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Amendments to the Drawings

The attached replacement sheets of drawings include Figures 1, 2, 3, 3b, 4, 5, 16b and 21. The sheets replace the original sheets and are drawings to replace the previous photographs. The content of the drawings is the same as originally filed

Attachments: 8 Replacement Sheets

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REMARKS

Claims 1 to 16 now stand in the application. Claims 1 and 5 have been amended to specify that the calibration formula is derived from the average of the no-load readings plus up to 2.0 standard deviations. The amendments are supported in the disclosure on page 17, line 25 to page 18, line 11. New claims 12 to 16 have been inserted in the application directed to the feature of ongoing calibration of the equipment as well as to the use of the method and apparatus in crusher and blast analysis. These claims are supported in the application on pages 18 and 22 to 27 among others. Reconsideration and reexamination on the basis of the amended claims is respectfully requested.

As requested by the Examiner, the Abstract has been amended.

Claim 1 has been amended to make it one complete sentence to overcome the objection.

Claim 5 had been rejected under 35 USC 102(b) as being anticipated by Sneed. Applicant respectfully traverses the rejection.

Sneed describes a watt-hour meter for measuring the power required to move a load on an inclined conveyor and relate this power to the amount of material moved by the conveyor. Sneed uses a back torque winding to cancel out the energy used to drive the conveyor unit unloaded. However, Sneed does not teach or suggest the method of the present invention utilizing a calibration formula derived from the average of the no-load readings plus up to 2.0 standard deviations. Accordingly, it is respectfully submitted that the claims as amended are not anticipated by Sneed.

Claims 1, 2, 5, 6 and 7 had been rejected under 35 USC 102(b) as being anticipated by Kira. Applicant respectfully traverses the rejection.

Kira describes a flow rate monitor for indicating the amount of material being conveyed in a conveying system. The monitor of Kira utilizes a linear equation relating the power demand of the motor to the flow rate of material on the conveying apparatus. However, Kira does not teach or suggest the method of the present invention utilizing a calibration formula derived from the average of the no-load readings plus up to 2.0 standard deviations. Accordingly, it is respectfully submitted that the claims as amended are not anticipated by Kira.

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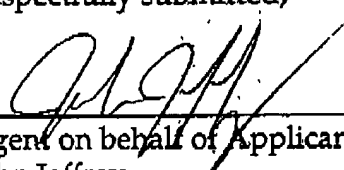
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Accordingly, in view of all of the above, it is respectfully submitted that the amended claims of the application define a patentable invention over the prior art of record.

CONCLUSION

In view of all the foregoing, it is respectfully submitted that the Application is allowable and early allowance is hereby requested.

Respectfully submitted,



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